Online data sheet



LFV230-XXSNBTPM0700

LFV200

LEVEL SENSORS

SICK
Sensor Intelligence.



Illustration may differ

Ordering information

Type	Part no.
LFV230-XXSNBTPM0700	6041856

Other models and accessories → www.sick.com/LFV200

Detailed technical data

Features

Medium	Fluids
Measurement	Switch
Probe length	700 mm
Process pressure	–1 bar ... 64 bar
Process temperature	–40 °C ... +100 °C
Fill material density	≥ 0.7 g/cm³

Performance

Accuracy of sensor element	± 2 mm
Repeatability	≤ 1 mm
Viscosity	0.1 mPas ... 10,000 mPas
Resolution	≤ 1 mm
Response time	500 ms

Electronics

Supply voltage	10 V DC ... 55 V DC
Residual ripple	≤ 5 V_{pp}
Power consumption	< 10 mA
Initialization time	< 2 s
VDE protection class 2	✓
Electrical connection	M12 round connector x 1, 4-pin
Hysteresis	2 mm
Signal voltage HIGH	Vs –3 V
Signal voltage LOW	0 V +- 1 V
Output current	< 250 mA
Inductive load	≤ 1 H
Capacitive load	100 nF
Enclosure rating	IP 67
Temperature drift	0.03 mm/K

Mechanics

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

WORLDWIDE PRESENCE:

Contacts and other locations –www.sick.com

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